

**IN THE SPECIFICATION:**

**Paragraph beginning at line 25 of page 5 has been amended as follows:**

A second aspect of the invention is based on the hydrodynamic bearing of the first aspect described above and further characterized in that the constitutional components of the stainless steel satisfy at least one of the following requirements: (a) containing ~~2% carbon~~ 0.2% carbon, (b) containing 2% nickel, (c) containing 0.15% sulfur, (d) containing 0.35% silicon, and (e) containing less than 0.05% phosphorus.

**Paragraph beginning at line 7 of page 12 has been amended as follows:**

A through hole in which the shaft 6 is inserted is formed in the center of the hub 7 as viewed in a radial direction, and this through hole extends in the direction of the axis of rotation.